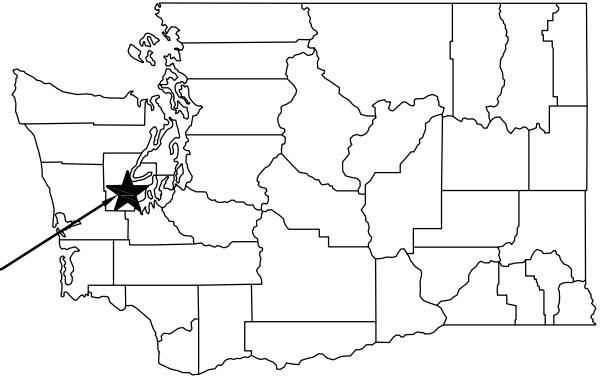
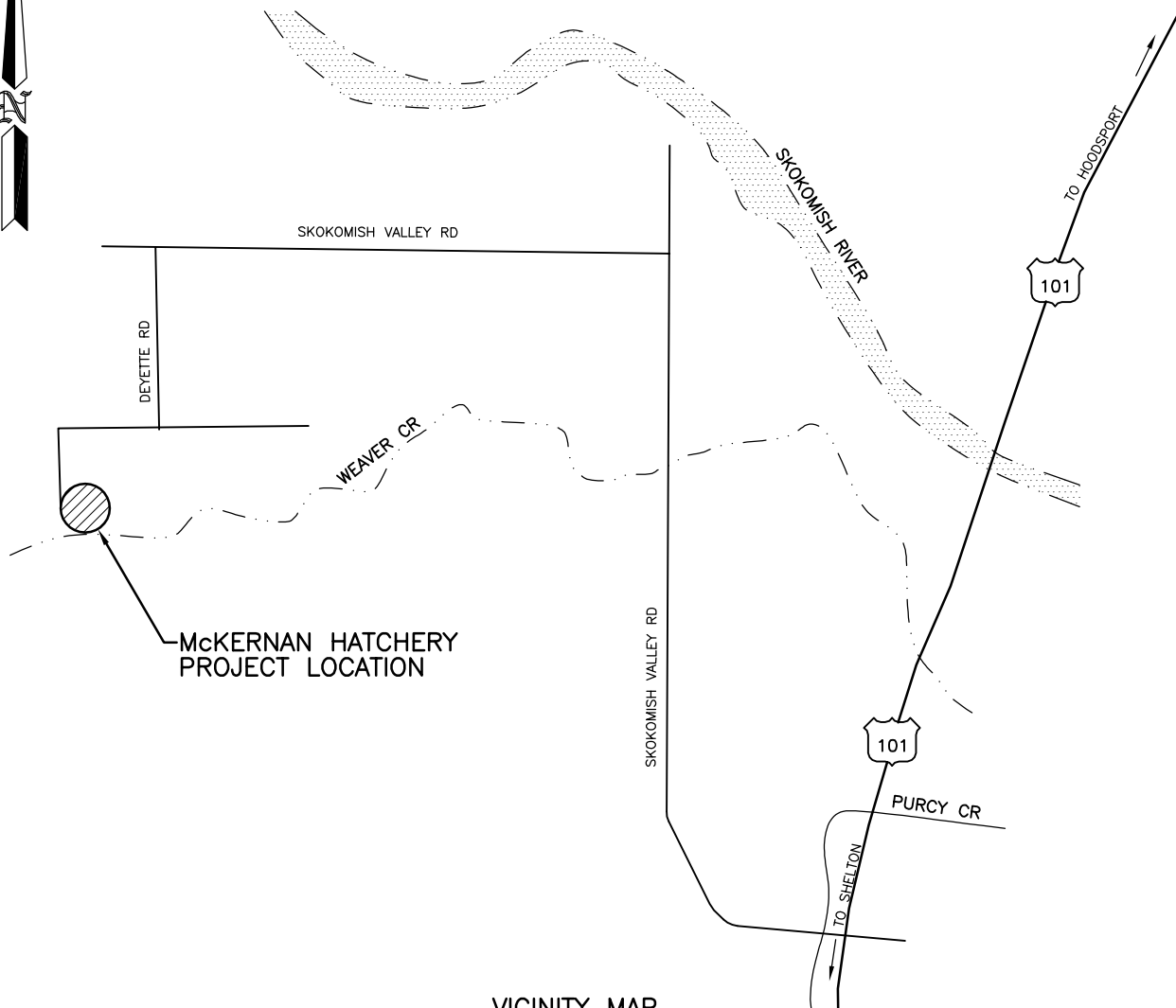


PROJECT LOCATION



STATE MAP

NOT TO SCALE



VICINITY MAP

NOT TO SCALE

ENG. PROJECT NO. **MN:H37:14-1**

PORTION OF: **SECT. 16, T 21 N, R 4 W**

REFERENCE NUMBER:

APPLICANT:

WASHINGTON DEPT. of FISH & WILDLIFE
600 CAPITOL WAY N.
OLYMPIA, WA 98501-1091

PROJECT LOCATION (ADDRESS):

McKERNAN HATCHERY
W 411 DEYETTE ROAD
SHELTON, WA 98584

PROPOSED PROJECT:

BRIDGE AND WALKWAY INSTALLATION

ADJACENT PROPERTY OWNER:

1.
2.

LAT/LONG: **47.3072/-123.204**

DATUM: **NAVD 88**

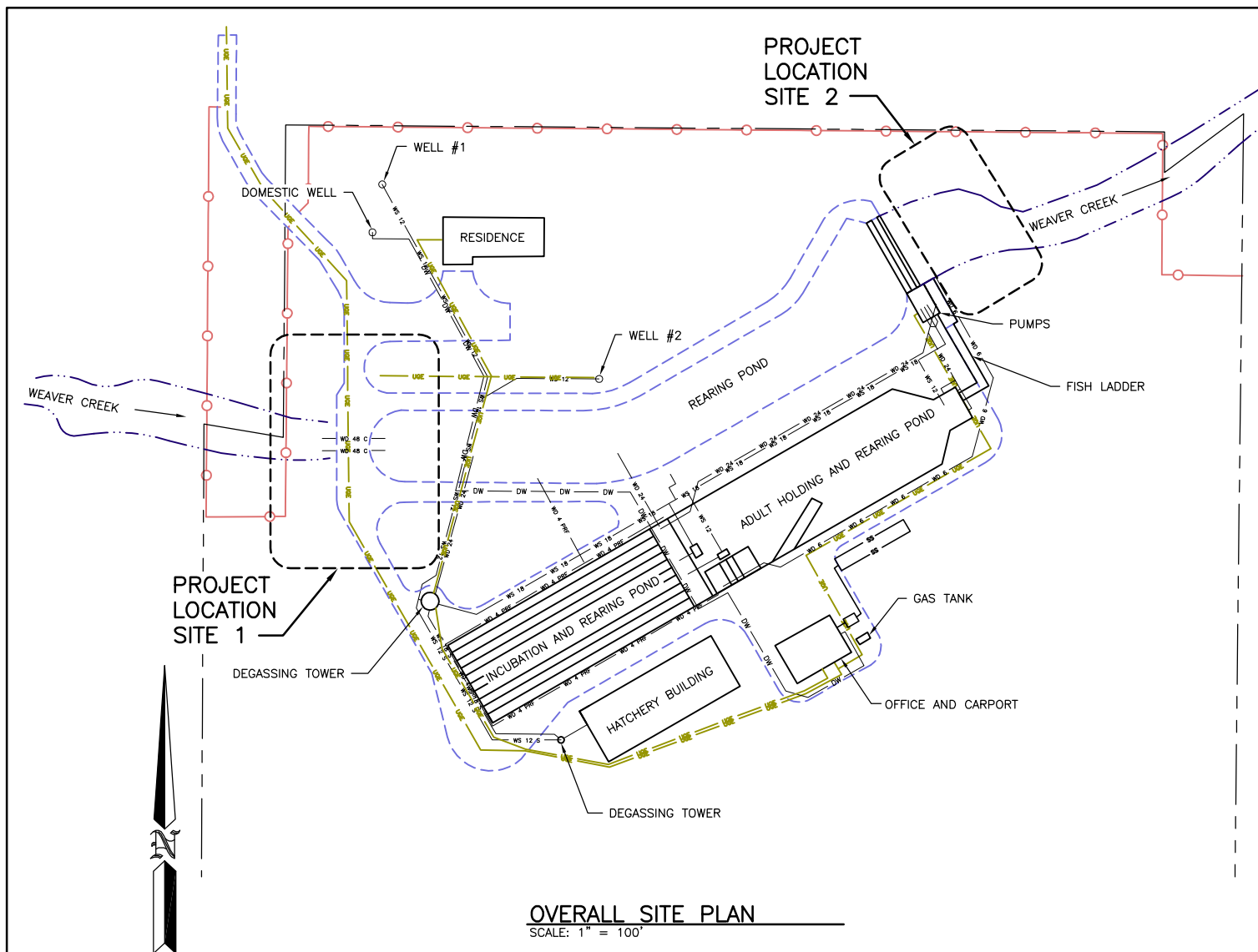
SHEET **1** OF **12** DATE: **2/27/2015**

IN: **WEAVER CREEK**

NEAR/AT: **SHELTON**

COUNTY: **MASON**

STATE: **WA**



McKERNAN HATCHERY LEGEND

CONCRETE STRUCTURE	—	WD 6	WD 6	6"Ø WATER DRAIN
FENCE	—	WD 24	WD 24	24"Ø WATER DRAIN
PROPERTY LINE	—	WD 4 PRF	WD 4 PRF	4"Ø PERF PIPE DRAIN
WATER EDGE	—	WD 48 C	WD 48 C	48"Ø CMP DRAIN
PAVED ROADWAY	—	WS 12	WS 12	12"Ø WATER SUPPLY
UNDERGROUND ELECTRICAL	—	WS 18	WS 18	18"Ø WATER SUPPLY
DOMESTIC WATER	—	WS 12 S	WS 12 S	12"Ø STEEL SUPPLY
SANITARY SEWER	—	WS 18 S	WS 18 S	18"Ø STEEL SUPPLY

QUANTITIES

MATERIAL	CUT ABOVE OHW	FILL ABOVE OHW	CUT BELOW OHW	FILL BELOW OHW
TYPICAL ROAD FILL	-63 CY	—	-120 CY	—
ECOLOGY BLOCKS	—	—	—	35 CY
CONCRETE	—	5 CY	—	3 CY
STREAMBED MIX	—	—	—	10 CY
GRAVEL APPROACH	—	20 CY	—	—
QUARRY SPALLS	—	5 CY	—	—
ASPHALT	—	5 CY	—	—
ROOTWADS	—	—	—	20 CY
NET TOTALS	-28 CY	—	-52 CY	—

REFERENCE NUMBER:

APPLICANT NAME:

WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

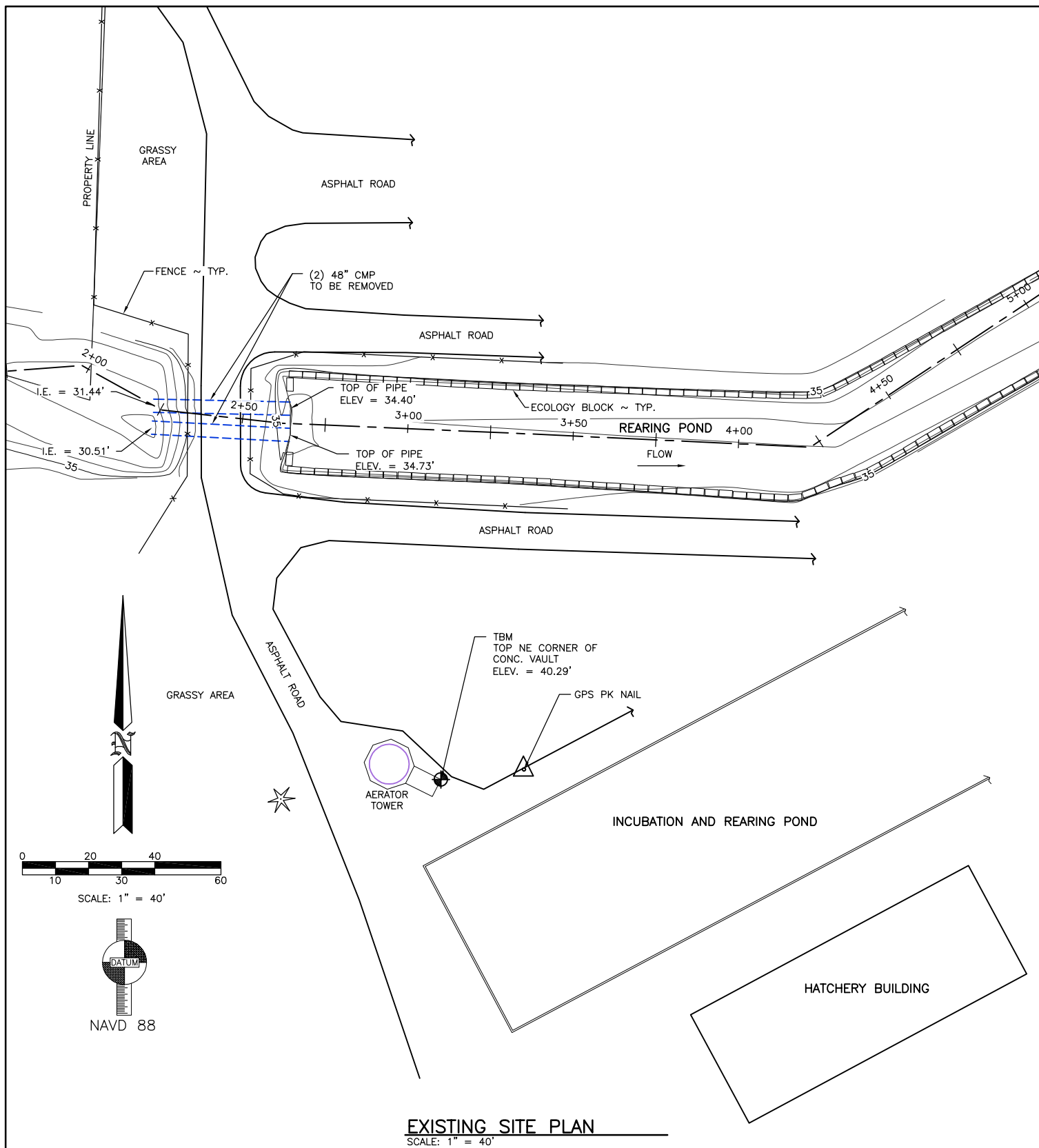
BRIDGE AND WALKWAY INSTALLATION

LOCATION: McKERNAN HATCHERY

SHEET 2 OF 12

DATE: 2/27/2015

ENG. PROJECT NO. MN:H37:14-1



REFERENCE NUMBER:

APPLICANT NAME:

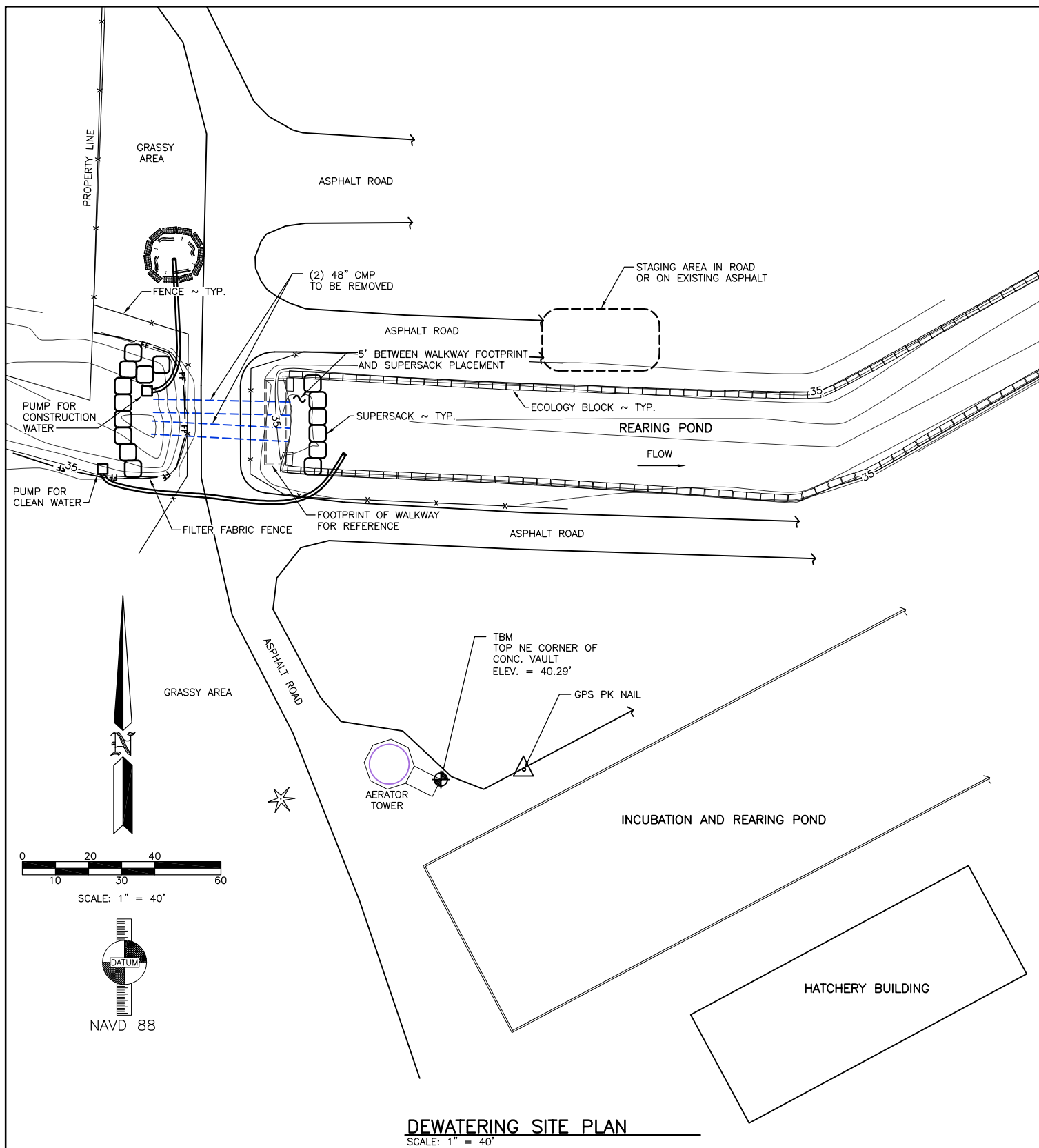
WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

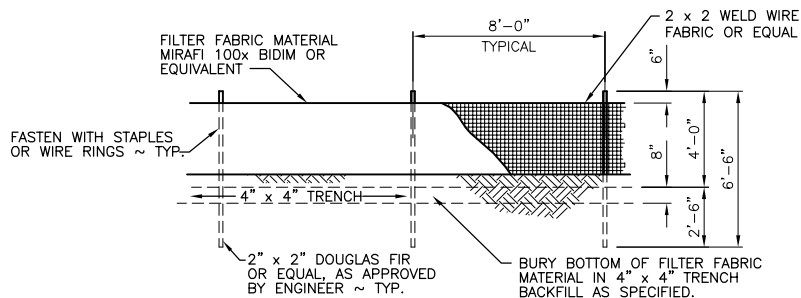
BRIDGE AND WALKWAY INSTALLATION

LOCATION: McKERNAN HATCHERY

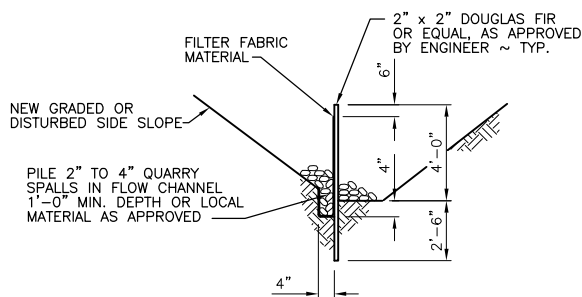
SHEET 3 OF 12 DATE: 2/27/2015



REFERENCE NUMBER:
APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
PROPOSED PROJECT:
BRIDGE AND WALKWAY INSTALLATION
LOCATION: McKERNAN HATCHERY
SHEET 4 OF 12 DATE: 2/27/2015



ELEVATION



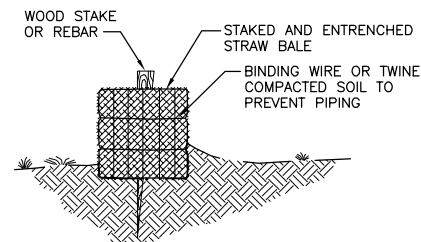
SECTION

TYPICAL FILTER FABRIC FENCE

NOT TO SCALE

FILTER FABRIC FENCE NOTES:

1. FILTER FABRIC SHALL BE A CONTINUOUS ROLL CUT TO LENGTH OF BARRIER AS NEEDED. IF JOINTS ARE NECESSARY FABRIC SHALL BE SPLICED TOGETHER ONLY AT SUPPORT POSTS WITH A MINIMUM OF SIX (6) INCH OVERLAP. BOTH ENDS SHALL BE SECURED AS REQUIRED.
2. FILTER FABRIC SHALL BE INSTALLED TO FOLLOW CONTOURS. FENCE POSTS SHALL BE SPACED A MAXIMUM OF EIGHT (8) FEET APART UNLESS OTHERWISE SHOWN HEREIN. ALL POSTS SHALL BE DRIVEN INTO THE GROUND A MINIMUM OF 30 INCHES.
3. A TRENCH SHALL BE EXCAVATED, ROUGHLY FOUR (4) INCHES WIDE BY FOUR (4) INCHES DEEP UPSLOPE AND ADJACENT TO THE POST TO ALLOW THE FILTER FABRIC TO BE BURIED.
4. WHEN STANDARD STRENGTH FILTER FABRIC IS UTILIZED, A WIRE SINGLE SPACE MESH SUPPORT FENCE SHALL BE FASTENED TO THE UPSLOPE (OR UPSTREAM) SIDE OF THE POSTS USING ONE (1) INCH MINIMUM LENGTH WIRE STAPLES, TIE WIRE OR APPROVED HOG RINGS. ALL WIRE SUPPORT SHALL EXTEND INTO THE TRENCH A MINIMUM OF FOUR (4) INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE ORIGINAL GRADE.
5. ALL FILTER FABRIC SHALL BE STAPLED OR WIRED TO SUPPORT FENCING AND A MINIMUM OF 12 INCHES OF FABRIC SHALL BE EXTENDED INTO THE TRENCH. FILTER FABRIC SHALL NOT BE STAPLED OR FASTENED TO EXISTING TREES OR STRUCTURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
6. IF HIGH STRENGTH FILTER FABRIC AND CLOSER SPACING ARE USED, THE WIRE SUPPORT FENCING MAY BE ELIMINATED. HIGH STRENGTH FABRIC SHALL BE STAPLED OR WIRED DIRECTLY TO POSTS AS REQUIRED BY THE ENGINEER.
7. CUTOFF TRENCH SHALL BE BACKFILLED WITH NATIVE SOIL OR 3/4 INCH MINIMUM DIAMETER WASHED GRAVEL OR OTHER SIMILAR SOURCE AS APPROVED BY THE ENGINEER.
8. FILTER FENCING SHALL BE INSTALLED WHERE SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER PRIOR TO COMMENCEMENT OF WORK. ALL FENCING SHALL BE INSPECTED DAILY DURING CONSTRUCTION AND AFTER EACH SIGNIFICANT RAINFALL EVENT UNTIL SITE HAS BEEN PERMANENTLY STABILIZED. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
9. REMOVAL OF TRAPPED SEDIMENT SHALL BE PERFORMED WHEN AMOUNTS REACH APPROXIMATELY 1/3 HEIGHT OF THE FENCE. MATERIAL REMOVED FROM FENCE SHALL BE DISPOSED OF AT AN APPROVED OFFSITE LOCATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER
10. FILTER FENCING SHALL REMAIN IN-PLACE UNTIL SITE HAS BEEN REVEGETATED TO ORIGINAL CONDITION OR DIRECTED BY THE ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR FENCING REMOVAL FROM THE SITE WITHIN 30 DAYS OF SITE STABILIZATION.



STRAW BALES DETAIL

NOT TO SCALE



STRAW BALES

1. BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE ON THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.
2. THE BARRIER SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE A MINIMUM OF 4 INCHES. BACKFILL SOIL SHALL CONFORM TO THE GROUND LEVEL ON THE DOWNHILL SIDE AND SHALL BE BUILT UP 4 INCHES AGAINST THE UPHILL SIDE OF THE BARRIER. EACH BALE SHALL BE SECURELY ANCHORED BY AT LEAST 2 STAKES OR REBAR DRIVEN THROUGH THE BALE.
3. THE GAP BETWEEN THE BALES SHALL BE CHINKED (FILLED BY WEDGING) WITH STRAW TO PREVENT WATER FROM ESCAPING BETWEEN THE BALES.

REFERENCE NUMBER:

APPLICANT NAME:

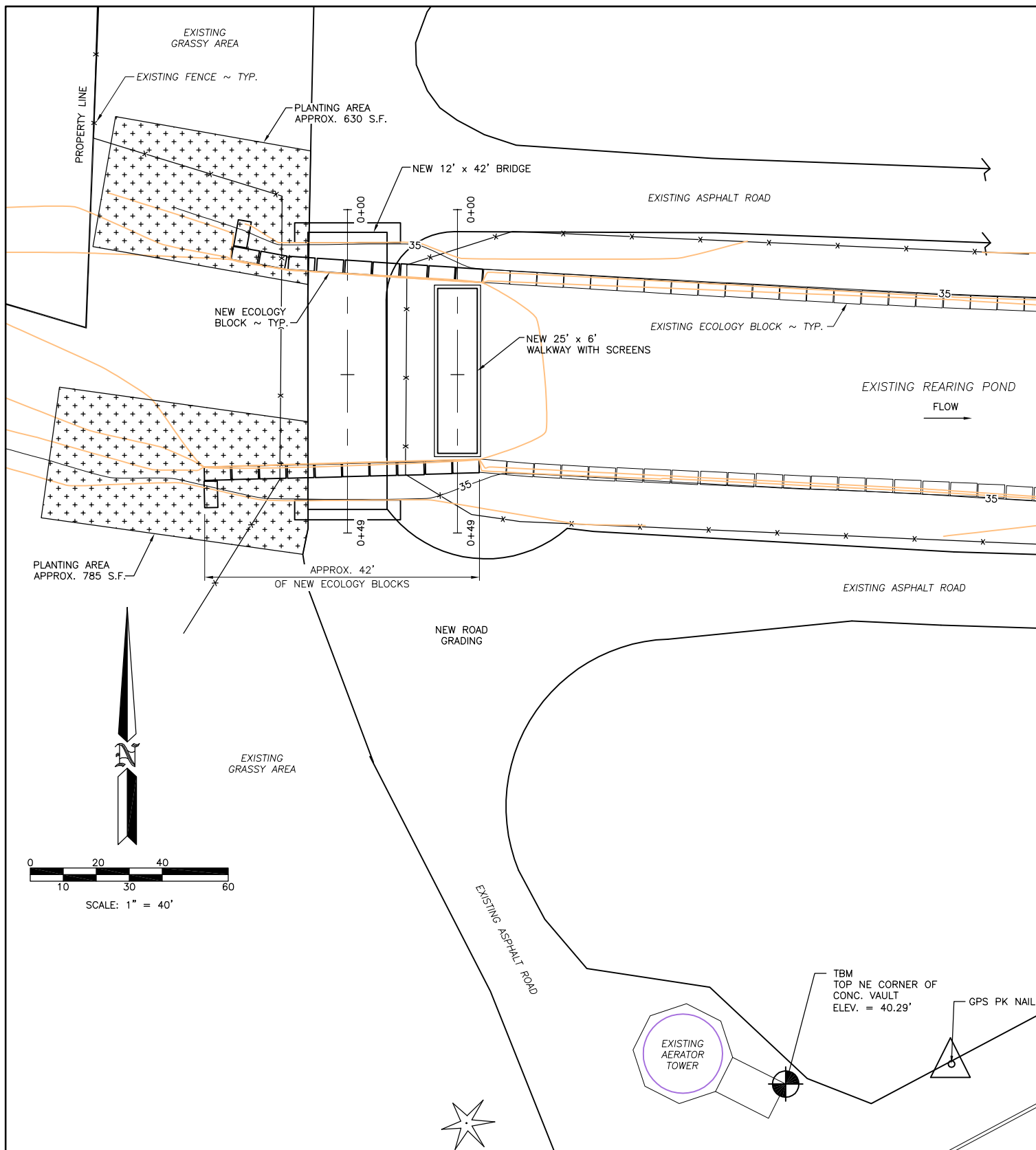
WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

BRIDGE AND WALKWAY INSTALLATION

LOCATION: McKERNAN HATCHERY

SHEET 6 OF 12 DATE: 2/27/2015



PROPOSED SITE 1 PLAN

SCALE: 1" = 20'

REFERENCE NUMBER:

APPLICANT NAME:

WASHINGTON DEPT. of FISH & WILDLIFE

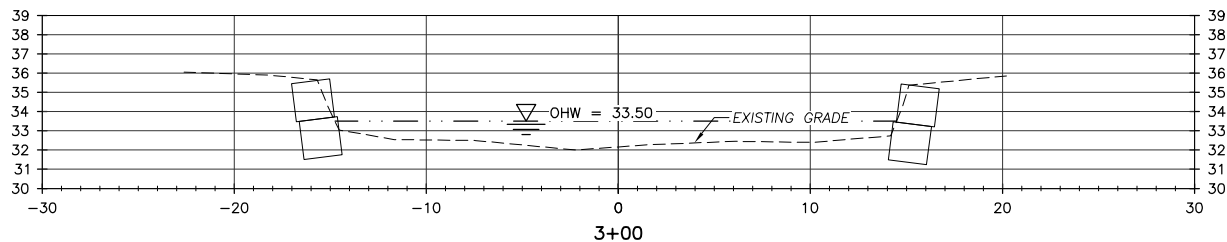
PROPOSED PROJECT:

BRIDGE AND WALKWAY INSTALLATION

LOCATION: McKERNAN HATCHERY

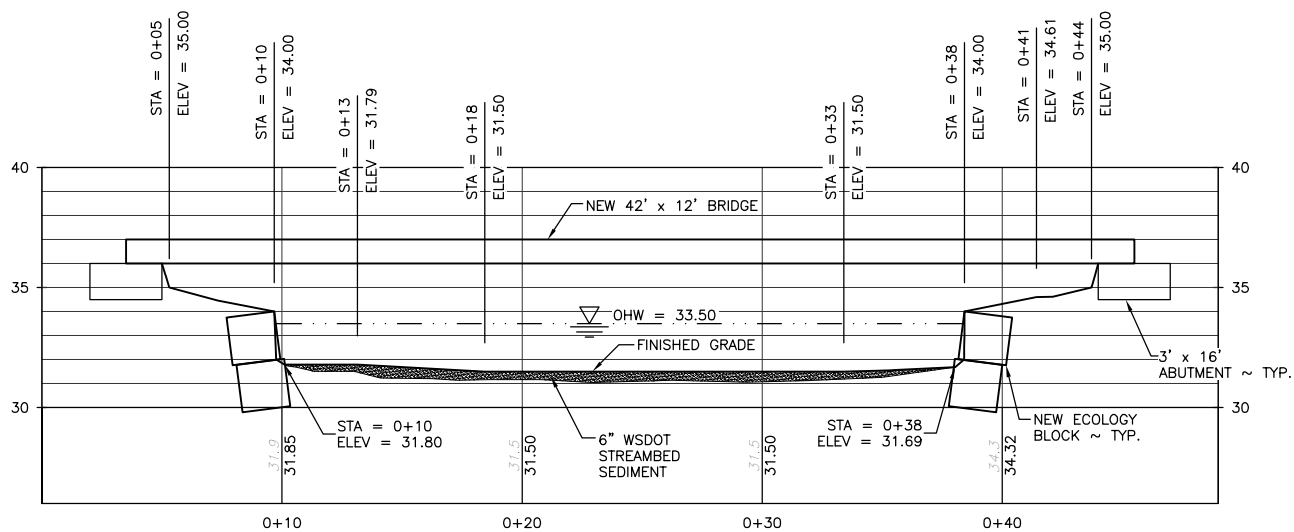
SHEET 7 OF 12

DATE: 2/27/2015



EXISTING CREEK SECTION

SCALE: 1" = 10'



BRIDGE PROFILE

SCALE: 1" = 8'

REFERENCE NUMBER:

APPLICANT NAME:

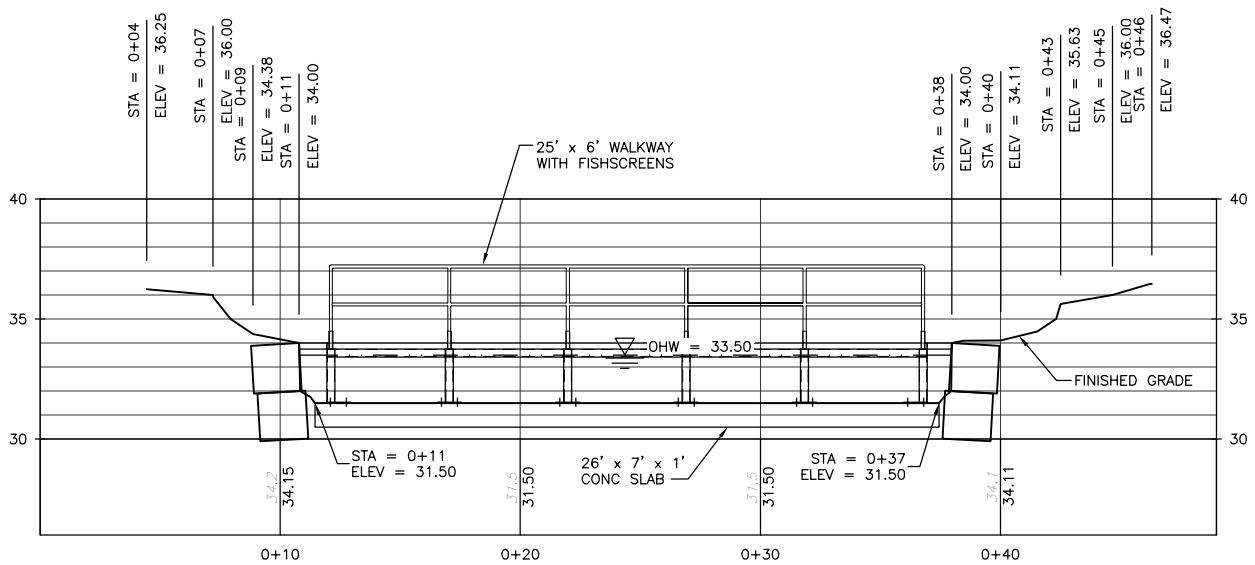
WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

BRIDGE AND WALKWAY INSTALLATION

LOCATION: McKERNAN HATCHERY

SHEET 8 OF 12 DATE: 2/27/2015



WALKWAY PROFILE

SCALE: 1" = 8'

REFERENCE NUMBER:

APPLICANT NAME:

WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

BRIDGE AND WALKWAY INSTALLATION

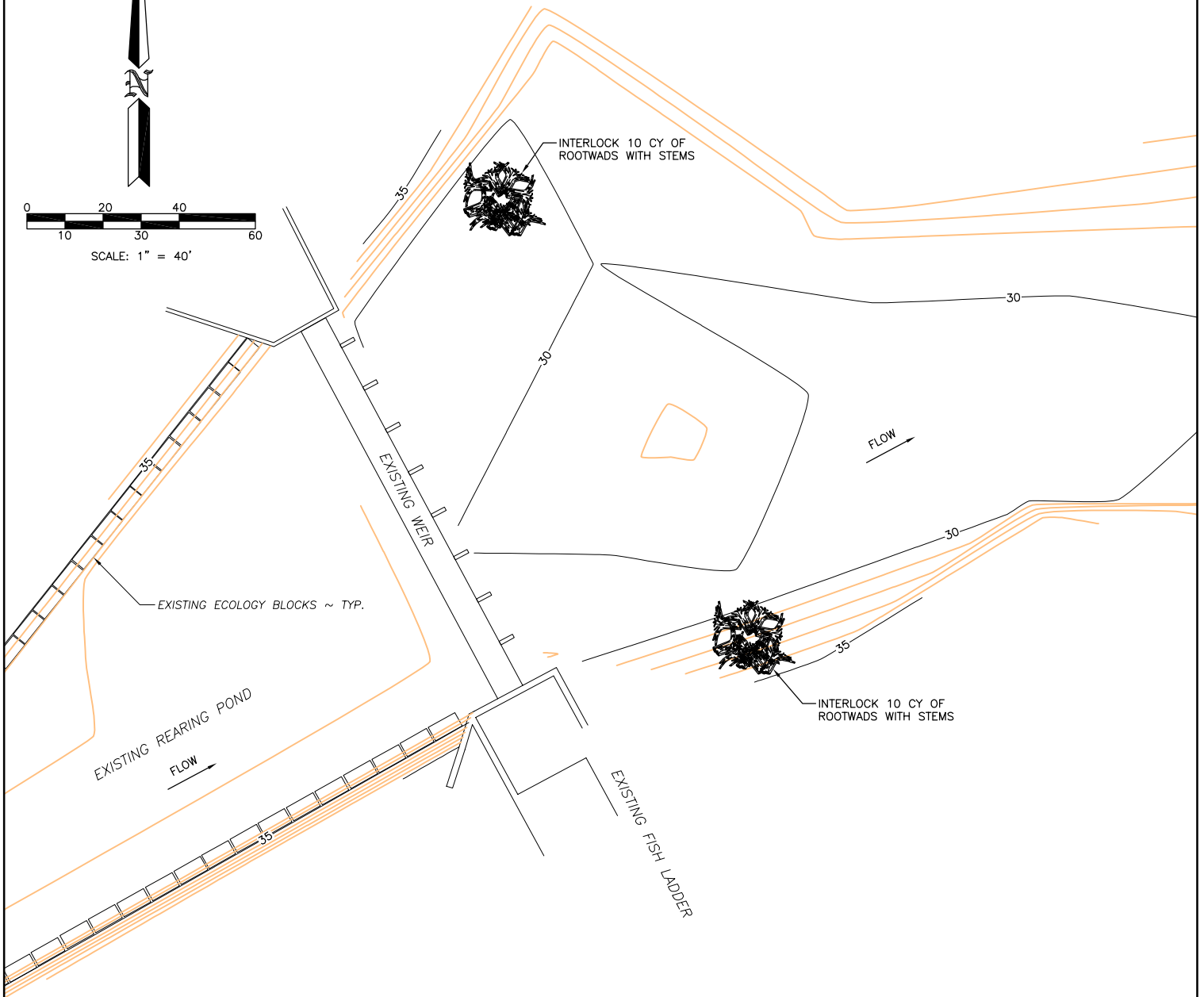
LOCATION: McKERNAN HATCHERY

SHEET 9 OF 12 DATE: 2/27/2015

PROPERTY LINE



SCALE: 1" = 40'



PROPOSED SITE 2 PLAN

SCALE: 1" = 20'

REFERENCE NUMBER:

APPLICANT NAME:

WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

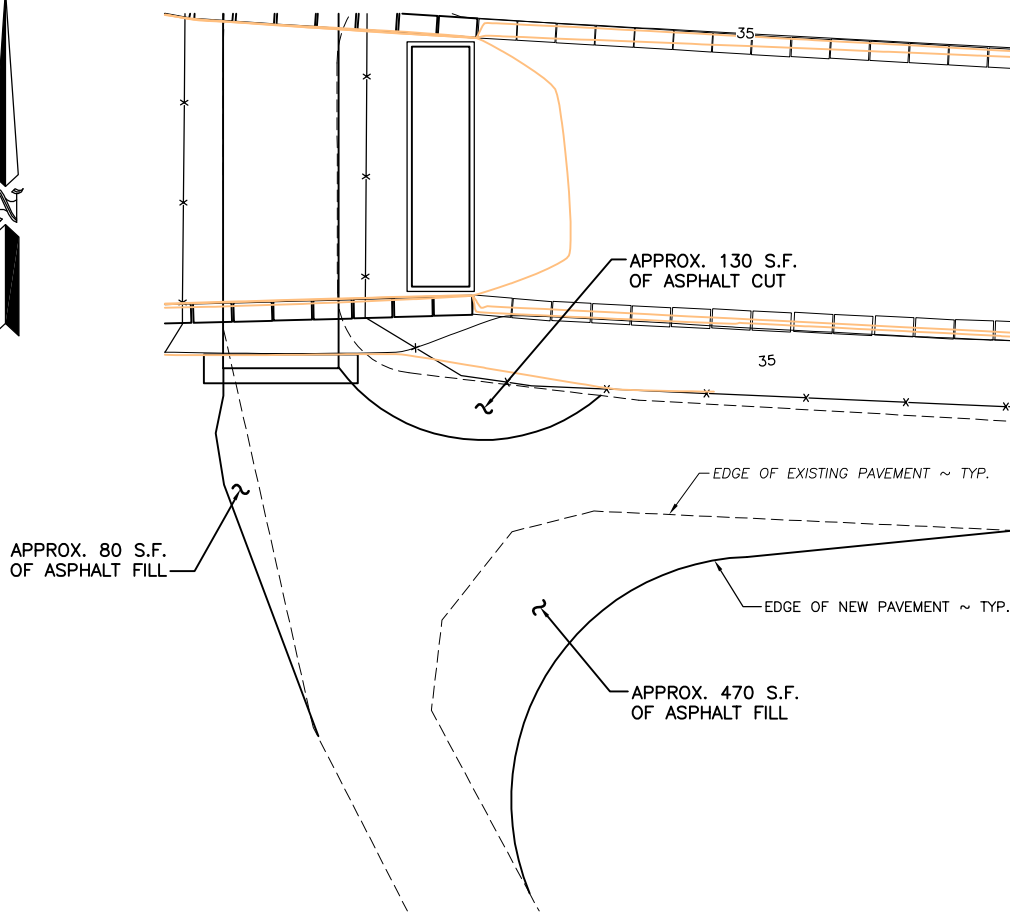
BRIDGE AND WALKWAY INSTALLATION

LOCATION: McKERNAN HATCHERY

SHEET 10 OF 12

DATE: 2/27/2015

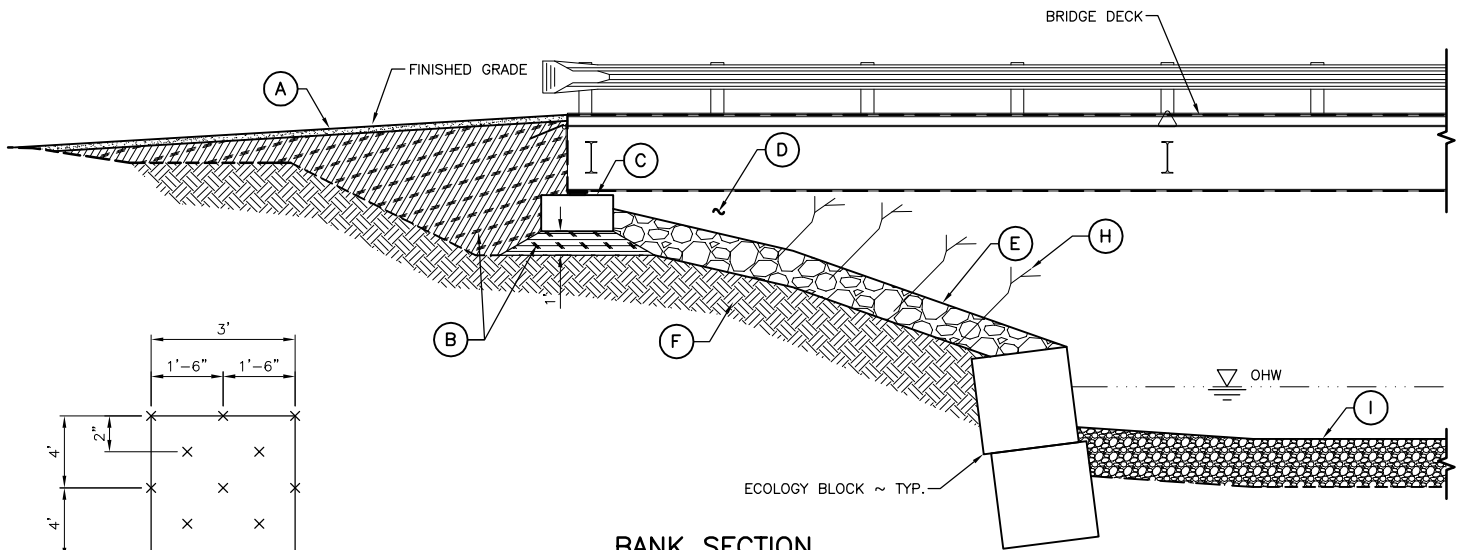
ENG. PROJECT NO. MN:H37:14-1



PAVING PLAN

SCALE: 1" = 20'

REFERENCE NUMBER:
APPLICANT NAME:
WASHINGTON DEPT. of FISH & WILDLIFE
PROPOSED PROJECT:
BRIDGE AND WALKWAY INSTALLATION
LOCATION: McKERNAN HATCHERY
SHEET 11 OF 12 DATE: 2/27/2015



BANK SECTION

NOT TO SCALE

NOTE:

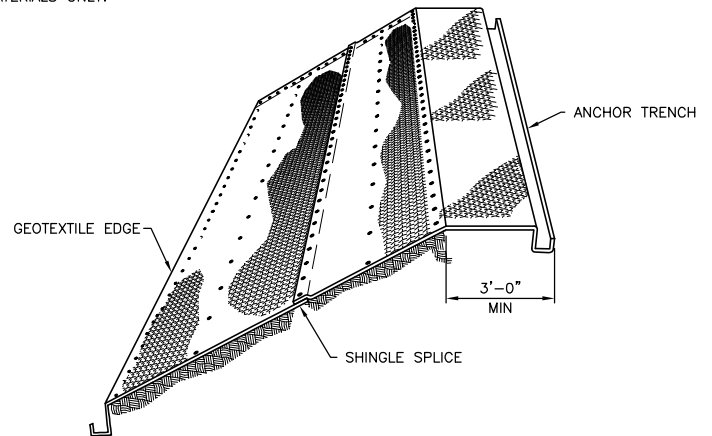
REFERENCE FOR MATERIALS ONLY.

STAPLE LAYOUT

NOT TO SCALE

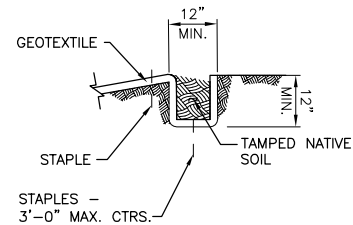
TYPICAL BANK SECTION NOTES:

- CRUSHED SURFACING BASE COURSE COMPACTED 90 PERCENT, WSDOT 9-03.9(3), IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION 2012.
- BALLAST ROCK COMPACTED IN 12 INCH LIFTS, WSDOT 9-03.9(1), IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION 2012. (12 INCH LIFTS)
- PRE-CAST CONCRETE ABUTMENTS
- MAINTAIN 9 INCHES CLEARANCE BETWEEN QUARRY SPALLS AND BRIDGE STRINGERS.
- 6" COBBLES WSDOT 9-03.11(2). IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION 2012.
- EXISTING GROUND.
- WILLOW CUTTINGS.
- ENGINEERED STREAMBED MIX WSDOT 9-03.11(2) AND STREAMBED SEDIMENT WSDOT 9-03.11(1). PERCENTAGE BY VOLUME.



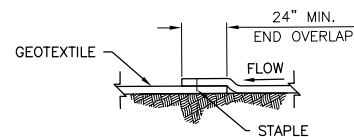
GEOTEXTILE LAYOUT

NOT TO SCALE



TYPICAL ANCHOR TRENCH DETAIL

NOT TO SCALE



TYPICAL SHINGLE SPLICE DETAIL

NOT TO SCALE

REFERENCE NUMBER:

APPLICANT NAME:

WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

BRIDGE AND WALKWAY INSTALLATION

LOCATION: McKERNAN HATCHERY

SHEET 12 OF 12

DATE: 2/27/2015